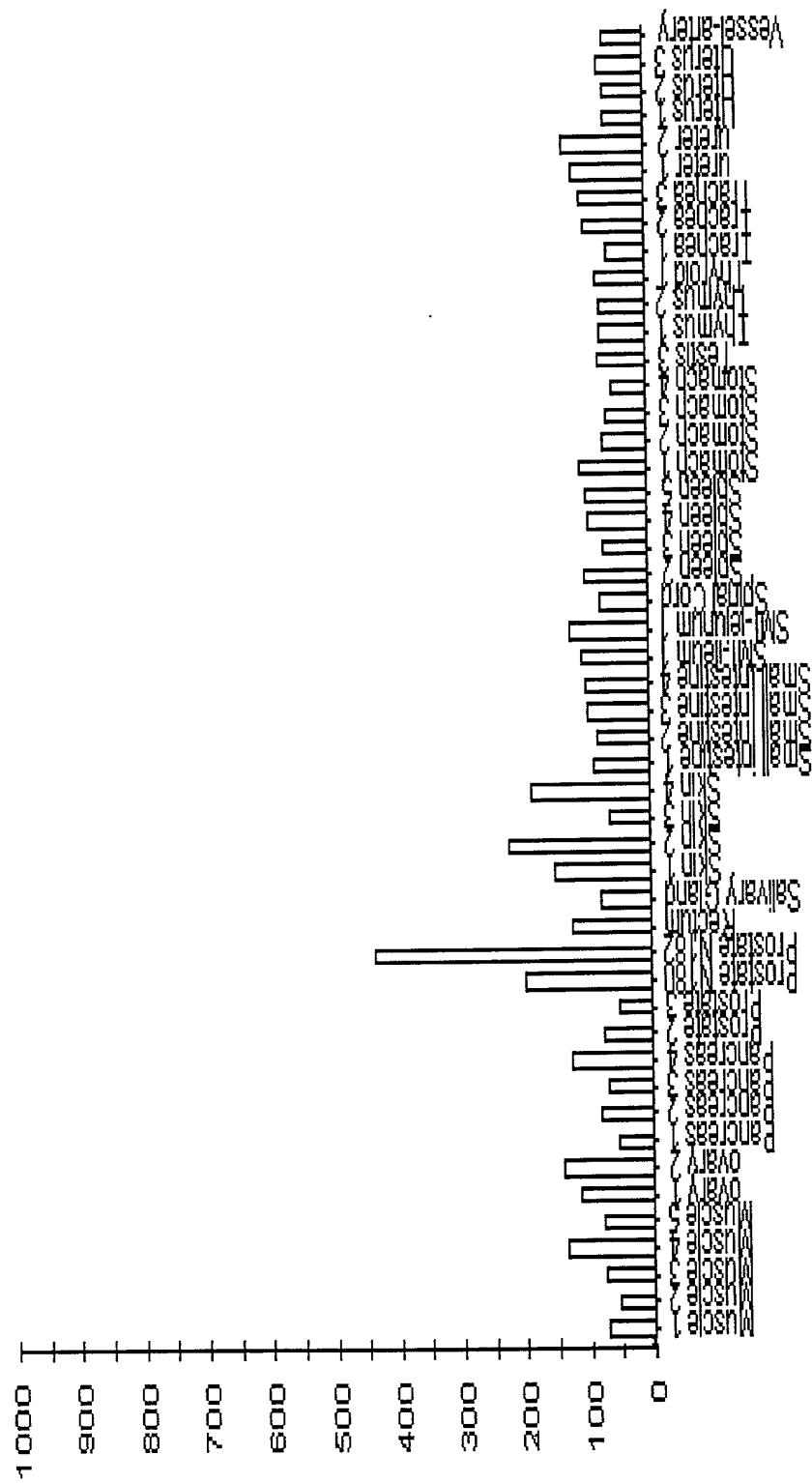# FIG. 1

CGGCACGAGGCGCGACTGCGAGGCTGGACGYTACGGGCTCCTGGAAAGGAGACACCAGCATTTGCCACA<u>AT</u>
<u>G</u>CTGTCATCCACTGACTTTACATTTGCTTCCTGGGAGCTTGTGGTCCGCGTTGACCATCCCAATGAAGAGC
AGCAGAAAGACGTCACACTGAGAGTATCTGGAGACCTTCACGTTGGAGGAGTGATGCTCAAGTTAGTAGAA
CAGATCAATATATCCCAAGACTGGTCAGACTTTGCTCTTTGGTGGGAACAGAAGCATTGCTGGCTTCTGAA
AACCCACTGGACCCTGGACAAATATGGGGTCCAGGCAGATGCAAAGCTTCTCTTCACCCCTCAGCATAAAA
TGCTGCGCCTTCGTCTGCCGAATTTGAAGATGGTGAGGTTGCGAGTCAGCTTCTCAGCTGTGGTTTTTAAA
GCTGTCAGTGATATCTGCAAAATCCTGAATATTAGAAGATCAGAAGAGCTTTCCTTGTTAAAGCCGTCTGG
TGACTATTTTAAGAAGAAGAAGAAAAAAGACAAAAATAATAAGGAACCCATAATTGAAGATATTCTAAACC
TGGAGAGTTCTCCAACAGCTTCAGGTTCATCAGTAAGTCCTGGTTTATACAGTAAAACCATGACCCCTATA
TATGACCCCATCAATGGAACACCAGCATCATCCACCATGACTTGGTTCAGTGACAGCCCTTTGACGGAACA
AAACTGCAGCATCCTCGCATTCAGCCAACCCCCCCAGTCCCCAGAAGCACTTGCGGATATGTACCAGCCTC
GGTCTCTGGTTGATAAAGCCAAGCTCAATGCAGGTTGGCTAGACTCCTCACGCTCCCTTATGGAACAAGGC
ATCCAAGAGGATGAGCAGCTGCTCTTACGATTTAAATATTATTCTTTCTTCGACTTGAATCCTAAATATGA
TGCTGTCCGAATAAACCAACTCTATGAGCAAGCCAGGTGGGCCATTCTCTTAGAAGAAATTGATTGCACAG
AGGAAGAAATGTTGATCTTTGCAGCTCTACAGTACCACATTAGCAAACTGTCGTTGTCTGCTGAAACACAG
GATTTTGCAGGCGAGTCCGAGGTTGATGAAATAGAAGCGGCGCTTTCTAATTTGGAAGTAACCCTAGAAGG
TGGAAAAGCGGACAGCCTTTTGGAGGACATTACTGATATCCCTAAACTTGCAGATAATCTCAAATTATTTA
GGCCCAAGAAGTTACTACCAAAAGCTTTCAAACAATATTGGTTTATCTTTAAAGACACATCCATAGCATAC
TTTAAAAATAAGGAACTTGAACAAGGAGAACCACTAGAAAAACTAAATCTTAGAGGCTGCGAAGTTGTGCC
CGATGTAAATGTAGCAGGAAGAAAATTTGGAATCAAGTTACTAATCCCTGTTGCCGATGGTATGAATGAAA
TGTATTTGAGATGTGACCATGAGAATCAATACGCCCAATGGATGGCTGCCTGCATGTTGGCATCGAAGGGC
AAAACCATGGCAGACAGCTCCTACCAGCCAGAGGTCCTCAACATCCTTTCATTTCTGAGGATGAAAAACAG
GAACTCTGCATCTCAGGTGGCTTCCAGTCTCGAAAACATGGATATGAACCCAGAATGTTTTGTGTCACCAC
GGTGTGCAAAGAAACACAAATCCAAACAGCTGGCCGCCCGGATCCTGGAGGCGCACCAGAACGTGGCCCAG
ATGCCCCTGGTCGAAGCCAAGCTGCGGTTCATCCAGGCGTGGCAGTCACTGCCTGAGTTTGGCCTCACCTA
CTACCTTGTCAGATTTAAAGGAAGCAAAAAAGATGACATTCTGGGAGTTTCATATAACAGGTTGATTAAAA
TTGATGCAGCCACCGGGATTCCAGTGACAACATGGAGATTCACAAATATCAAACAGTGGAATGTAAACTGG
GAAACCCGGCAGGTGGTCATCGAGTTTGACCAAAACGTCTTTACTGCTTTCACCTGCCTGAGTGCAGATTG
CAAGATTGTGCACGAGTACATTGGCGGCTACATTTTCTTGTCCACCCGCTCCAAGGACCAGAATGAAACAC
TCGATGAGGACTTGTTCCACAAATTGACCGGCGGTCAGGAT<u>TAA</u>

FIG. 2

MLSSTDFTFASWELVVRVDHPNEEQQKDVTLRVSGDLHVGGVMLKLVEQINISQDWSDFALWWEQKHCWL
LKTHWTLDKYGVQADAKLLFTPQHKMLRLRLPNLKMVRLRVSFSAVVFKAVSDICKILNIRRSEELSLLK
PSGDYFKKKKKKDKNNKEPIIEDILNLESSPTASGSSVSPGLYSKTMTPIYDPINGTPASSTMTWFSDSP
LTEQNCSILAFSQPPQSPEALADMYQPRSLVDKAKLNAG**WLDSSRSLMEQGIQEDEQLLLRFKYY**SFFDL
NPKYDAVRINQLYEQARWAILLEEIDCTEEEMLIFAALQYHISKLSLSAETQDFAGESEVDEIEAALSNL
EVTLEGGKADSLLEDITDI<u>PKLADNLKLFRPKKLLPKAFKQYWFIFKDTSIAYFKNKELEQGEPLEKLNL</u>
<u>RGCEVVPDVNVAGRKFGIKLLIPVADGMNEMYLRCDHENQYAQWMAACMLASKGKTMADSSYQPEVLNIL</u>
SFLRMKNRNSASQVASSLENMDMNPECFVSPRCAKKHK**SKQLAARILEAHQNVAQMPLVEAKLRFIQAWQ**
SLPEFGLTYYLVRFKGSKKDDILGVSYNRLIKIDAATGIPVTTWRFTNIKQWNVNWETRQVVIEFDQNVF
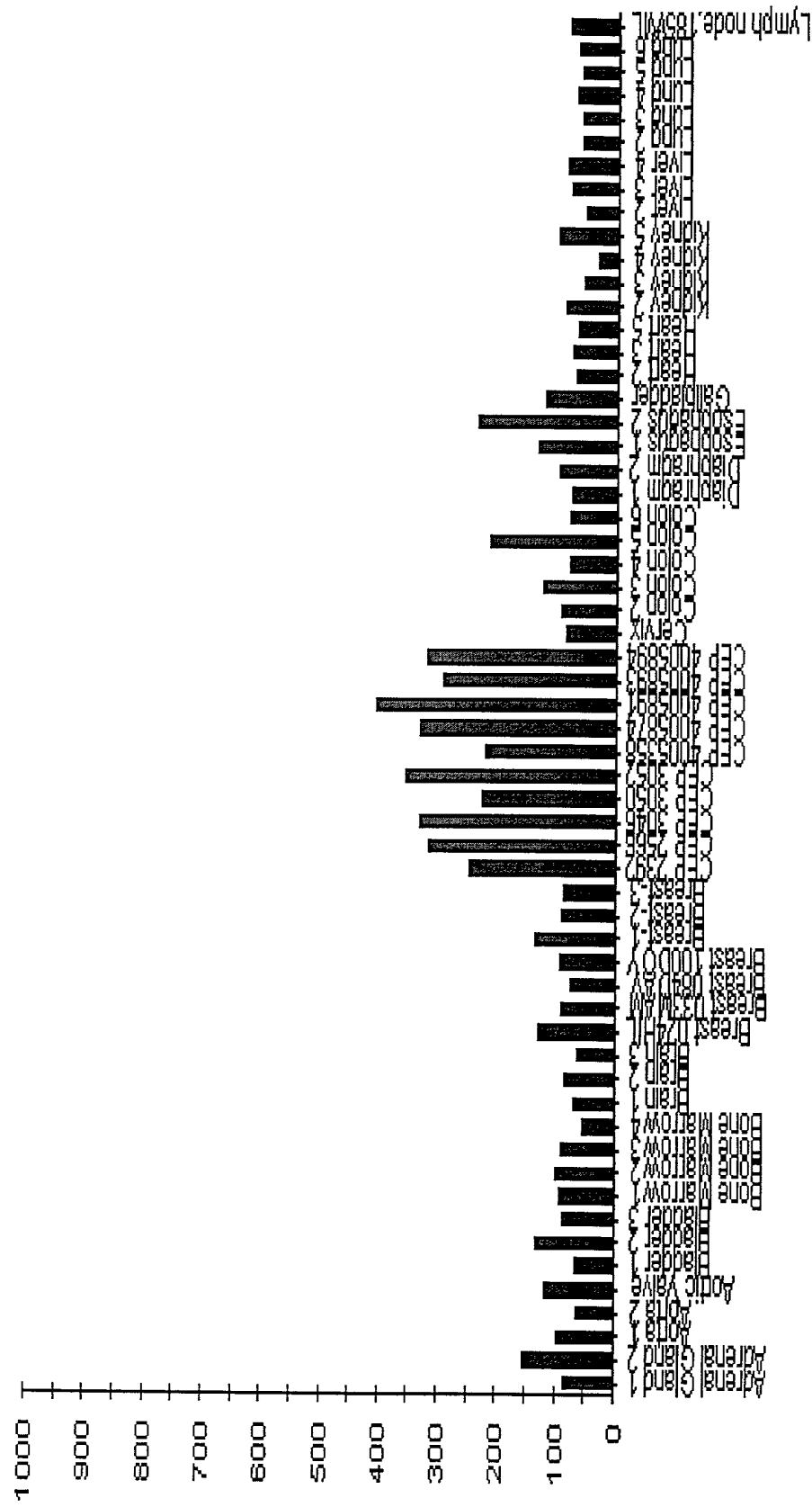TAFTCLSADCKIVHEYIGGYIFLSTRSKDQNETLDEDLFHKLTGGQD

FIG. 3A

Y-axis scale: 0, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000

Category labels:
2908
4006844
4006972
4007072
4007243
4007246
4552b
7347
A 1239 VIL
A 1350 VIL
A 2025 VIL
A 2355 FAP
A 4004559 TUB
A 4004693 TVIL
A 4004873 VIL
A 4005367 TVIL
A 996 VIL
B D 2481
B S 1259
B S 2489
B S 2504
B S 2557
B S 3007
B S 3073
B S 4003260
B S 4003640
B1 D 2104
B1 S 1858
B1 S 2326
B2 D 1796
B2 S 1004
B2 S 1882
B2 S 1998
B2 S 2057
B2 S 2100
B2 S 2159
B2 S 2198
B2 S 2419
B2 S 2527
C D 1172
C2 D 1205
C2 D 2139
C2 D 2161
C2 S 1039
C2 S 1677
C2 S 1771
C2 S 2016
C2 S 2298
C2 S 999
D D 1115
D D 1349
D D 2087
D D 4005358
Met D 2406b
Met D 2433
Met D 4004532
Met D 4004717
Met D 4004793
Met D 4005026
Met D 4005174
Met D 4005358
Met D 4005562
Met D 4005687
Met D 4006261
Met D 4006274
Met D 4006313
Met D 4006404
Met D 4006426
Met D 4006452
Met D 4006587
Met D 4006640
Met D 4006805
Met D 6104
Met D 6108
Met D 6110
xMet D 4005358 L

FIG. 3C

FIG. 3B